

Having described the invention, what is claimed is:

1. A method of treating a HIV comprising of:

the use of at least one polypeptide including an amino acid sequence from the group consisting of KPV, MEHFRWG, HFRWGKPV, SYSMEHFRWGKPV or a biologically functional equivalent of any of the foregoing.

2. The method of claim 1 wherein the HIV is accompanied by the presence of bacteria or fungi or both.

3. The method of claim 2 wherein the bacteria present is from the genus *Staphylococcus*.

4. The method of claim 2 wherein the bacteria present is *Staphylococcus aureus*.

5. The method of claim 2 wherein the fungi present is from the genus *Candida*.

6. The method of claim 2 wherein the fungi present is *Candida albicans*.

7. The method of claim 1 wherein the amino acid sequence KPV, HFRWGKPV, or SYSMEHFRWGKPV is located at the C-terminal of at least one polypeptide.

8. The method of claim 1 wherein the amino acid sequences KPV, HFRWGKPV, MEHFRWG, or SYSMEHFRWGKPV includes at least one amino acid in the D-form.

9. The method of claim 1 wherein at least one polypeptide is N-acetylated or C-amidated or both.

10. The method of claim 1 wherein the at least one polypeptide includes a dimer from any amino acid sequence in the group in claim 1.

11. The method of claim 2 wherein the dimer is a KPV dimer.

12. A method of treating a HIV comprising of:

the use of at least one polypeptide including an amino acid sequence from the group consisting of KPV, MEHFRWG, HFRWGKPV, SYSMEHFRWGKPV or a biologically functional equivalent of any of the foregoing in a pharmaceutically appropriate amount contained in one of the carriers from the following group

5 consisting of a solution for injection, a liquid, a pill, a capsule, a suppository, and an inhaler.

13. A method of treating secondary infections in persons with HIV comprising:

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10 the use of at least one polypeptide including an amino acid sequence from the group consisting of KPV, MEHFRWG, HFRWGKPV, SYSMEHFRWGKPV or a biologically functional equivalent of any of the foregoing in a pharmaceutically appropriate amount contained in one of the carriers from the following group consisting of a solution for injection, a liquid, a pill, a capsule, a cream, an ointment, a gel, a suppository, an aerosol spray, and an inhaler.

14. A method of treating a inflammation due to HIV and/or secondary infections comprising of:

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the use of at least one polypeptide including an amino acid sequence from the group consisting of KPV, MEHFRWG, HFRWGKPV, SYSMEHFRWGKPV or a biologically functional equivalent of any of the foregoing.

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